



Recorder: Please mark next Hy on
this page =

Text Hy No is 4899.

 " — 4905.

 " — 4906.

 " — 4908

 " — 4909

OR pl.

Dredge } No. 5121 Date, Feb. 2, 1901
Hydrog. }

Sdg. Mch. Tanner Reel T. N. Shot
Turns 110 Cor'n - 2 Head } 30 lbs.

Amt. Bot'm Sample cup full

Character of Bottom dr. ground

Thermom. { Make Instr.
No. More used Cor'n { Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 79° Time 8.25 } Air { 76°
79° Time 8.47 } 76°

Density: Surf. 1.02420 fms.

Wind: Direction SSW Force 1

Baromet. 29.79 Amt. of Clouds 3 State of Sea S

Weather fog

Direction and Force of Current { Surface
Bottom

Tide

Malibrido St. N 13°W - 9 mi.

General Locality China Sea East of Mindoro

Malabriga St. N 13°W Calapan Pt S. 78°W

Position 13°27'-20'N 121°17'-45"E

Chart used: No. C.S. 4714 Ed'n

Drift: Direction S 79°E Distance 1 mi

Depth of Haul bottom

Apparatus and Rig used 1.2' Tanner, 3 glass float

2 trimming weights, 2 task weights,

mud bag.

Time towing h. 45 m.

Remarks:

Deck Officer Robert Hazard Recorder C. Deloys

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
A M. DOWN.	UP.	A M.		A M. DOWN.	UP.	A M.
8 13 35	8 14 10		0	8 22 40	8 55 50	
8 14 15	8 15 16		100	8 26 30	8 52 25	
8 14 20	8 15 00		200	8 29 20	8 49 20	
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
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OK pl.

Dredge } No. 5123 Date, Feb 2, 1905
Hydrog.

Sdg. Mch. Tanner Reel IN Shot } 30 lbs.
Length

Turns 820 Cor'n - 37 Depth 283 fms.

Sdg. Cup Snapper Amt. Bot'm Sample trace on sdg shot.

Character of Bottom grm.

Thermom. { Make Cor'n { Instr. Cor'd
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 79° Time 1:26 P.M. Air { 80°
79° Time 2:20 P.M. 77°

Density: Surf. 1.02475 fms.

Wind: Direction 21 Force 1

Baromet. 29.69 Amt. of Clouds 3 State of Sea J

Weather bz

Direction and Force of Current { Surface
of Current Bottom

Tide malibrido St. N 44°W 33.25 mi.

General Locality China sea off Mindoro
Baltasar Sd. E. Pt Panamalagan S 34° W

Position 13° 12' 45" N - 121° 38' 45" E

Chart used: No. 4714 C.S. Ed'n

Drift: Direction S 6° W Distance 1.3

Depth of Haul 10 m.

Apparatus and Rig used as before

Time towing 2 h. 20 m.

Remarks: Net touched btm at 40' fms.

Snapper failed to close act of soft mouthed.

Deck Officer Sean Cassidy Recorder Mr. Pollock

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P	M.	DOWN.	UP.	P	M.		P	M.	DOWN.	UP.	P	M.
1	6	30	1	22	20	0	1	25	30	2	21	-
1	7	20	1	18	-	100	1	29	-	2	17	20
1	8	10	1	14	40	200	1	32	30	2	14	05
1	9	20	1	9	30	300	1	35	55	2	10	55
						400	1	39	20	2	07	30
						500	1	44	-	2	04	-
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
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OK pl

Dredge No. 5125 Date, Feb. 3, 1908

Hydrog. Sdg. Mch. Lucas Reel Lucas Shot 35 lbs.

Turns Cor'n Depth 411 fms.

Sdg. Cup Siphon Amt. Bot'm Sample about one ounce

Character of Bottom gun m.

Thermom. { Make N.Y. Instr. - 0.2
No. 10814-6 Cor'n { Stem. - 0.5

Bottom Reading 50.7 Cor'd Temp. 50

Temp. Surf. { 80° Time 9.22 Air { 81°
80° Time 10.05 S. 43.4

Density: Surf. 1.02444 Bottom fms. 1.02475

Wind: Direction N by E. Force 1-2

Baromet. 29.75 Amt. of Clouds 10 State of Sea

Weather dry

Direction and Force of Current { Surface
Bottom

Tide Nogas Id(N) S 11° E. 24 mi.

General Locality Jolo Sea

W. Alenlau 81° E San Jose de Buena Vista S. 59° E

Position 10° 48' 00" N - 121° 48' 30" E

Chart used: No. 4718 C.S. Ed'n

Drift: Direction N 62° W Distance 1.5

Depth of Haul Estimated between 350 & 380 fath.

Apparatus and Rig used 10' intermediate, 250 lb.
weight

Time towing h. 8.0 m.

Remarks:

Deck Officer Ben Cassidy Recorder C. E. McElroy
11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.			
A.M.	DOWN.	UP.		A.M.	UP.	A.M.	
9	02 40	9 12 55	0	9	20 30	10 27	50
	03 30	11 55	100		24 30	23 30	
	04 30	11 00	200		28 20	19 50	
	05 30	10 05	300		32 00	15 50	
	06 30	09 10	400		36 20	9 45	
9	07 00	9 09 00	500		39 30	04 50	
			600		9 41 25	10 01 25	
			700				
			800				
			900				
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			4800				
			4900				

OK pl.

Dredge } No. 5127 Date, 7 Feb., 1908
Hydrog.

Sdg. Mch. Lucas Reel Lines Shot Lead 30 lbs.

Turns 954 Cor'n none Depth 958 fms.

Sdg. Cup Sixteen Amt. Bot'm Sample about 2 oz.

Character of
Bottom - g. m. g. b.

Thermom. { Make J.T.Z. Cor'n { Instr. -0.2
 { No. 108156 Stem. -0.5

Bottom Reading 50.8 Cor'd Temp. 50.1

Temp. Surf. { 80° Time 3:20 } Air { $84\frac{1}{2}^{\circ}$
 81° Time 5:00 } 83°

Density: Surf. 1.02477 botm. pros. 1.02516

Wind: Direction NNE Force 1

Baromet. 29.66 Amt. of Clouds 2 State of Sea S.

Weather fine

Direction and Force { *Surface*
of Current

92 mi.

General Locality Jol. Sea.

Xogas Id. St. N 12° E Turao Turao (eastern) N 23-

Position $10^{\circ}02'45''N$, $121^{\circ}48'15''E$.

Chart used: No. 4718 C.S. Ed'n Δa. 1906
N 8° W. #35

Drift: Direction N 9 W Distance 2.5 miles
Depth of Haul Bottom

Apparatus and Rig used 9' 9" - Bl. with 2

wing mud bags, 2 glass floats

Time towing h. 20 m
25 + 6 = 31 at 82

Remarks: Waukegan had a dry.

Book of the Month Recorder -

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
0				5	15	8 00
100				10	10	10 00
200				22	22	11 00
300				30	30	18 00
400				44	44	14 00
500				55	55	17 00
600				66	66	19 00
700				77	77	16 00
800				88	88	20 00
900				99	99	24 00
1000				111	111	21 00
1100				122	122	37 00
1200				122	122	33 20
1300				133	133	
1400				144	144	
1500				155	155	
1600						
1700						
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4200						
				4300	4300	
				4400	4400	
				4500	4500	
				4600	4600	
				4700	4700	
				4800	4800	
				4900	4900	

OK re.

~~Hydrog.~~ } No. 4877 Date, Sept. 15, 1910

Sdg. Mech. *7* *1.C.P.C.* *Reel* *7* *11' 2"* *Shot* *30 lbs.*

Turns 157 Cor'n 210° Dist 100' Depth 10' fms.

Sdg. Cup *amt. Bot'm Sample* *3 or 4 days*

Character of Bottom *Gls.*

Thermom. { *Make* *No.* *W²* } *Cor'n* { *Instr.* *Stem.* }

Bottom Reading *Cor'd Temp.*

Temp. Surf. { 80° Time 12:17 S.P. } Air } 8:

Density: Surf. *fms.*

Wind: Direction NNE Force 3

Barometer 30.00 *Amt. of Clouds* 20.00 *State of Sea* 10.00

December 2000 *Volume 10 Number 12*

*Direction and Force
of Current.* { *Surface*
 Bottom

Tide

Chart 2000 Pt. N70°E 4.8 mi.

THE SPANISH

Position 700' S. of the bridge.

Apparatus and Kid used

Time to win σ h m

2. The classical form

Remarks: *Comments* *about* *the* *specimen*

The Willows (Continued)

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M.	DOWN.	UP.	M.	M.	UP.	M.
11	24	25	12	0		
			11	100		
			19	200		
			18	300		
			17	400		
			17	450		
			17	500		
			17	600		
			16	700		
			15	800		
			15	900		
			14	1000		
			13	1100		
			12	1200		
			11	1300		
			10	1400		
			9	1500		
11	8	7	8	1600		
			7	1700		
			6	1800		
			5	1900		
			4	2000		
			3	2100		
			2	2200		
			1	2300		
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				4900		

Note

Dredge } No. 4893 Date, 1925
 Hydrog. } Reel } Shot } lbs.
 Sdg. Mech. } Cor'n } Lead }
 Turns x) Cor'n Depth x) fms.

Sdg. Cup Sigsbee Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.
 No. 109156 Stem

Bottom Reading x) Cor'd Temp.

Temp. Surf. { Time Time { Air

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force of Current { Surface
 Bottom

Tide

General Locality Custer Bank
 Position 71°27' N. Lat., 152°25' W. Long.

Position

Chart used: No. C.S. 1/2 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks: Towed to port side

x) When off bottom took bottom sample, found bottom covered with sand, sand, gravel, oyster shells. Then in. Found wire carried away at 4 fms. Took new dredge, relocked on next haul, took same type material.

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
05	45	1	0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
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Dredge } No. 429 Date, 19 .. .
Hydrog. }

Sdg. Mch. Reel Shot } lbs.

Turns 242 Cor'n 29° 21' Depth 10 fms.

Sdg. Cup Amt. Bot'm Sample Snap

Character of Bottom

Thermom. { Make Cor'n Instr.
No. 1500 Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time 1:27 } Air 82°
Time

Density: Surf. fms.

Wind: Direction Force

Baromet. 30.00 Amt. of Clouds 4 State of Sea

Weather

Direction and Force { Surface ...
of Current. Bottom ...

Tide

Br. Brugia Pt N 30° E 1 mi.

General Locality Sulu Sea, 170 miles N.E.

Position 12° 15' N 122° 23' 15" E

Position 12° 15' N 122° 23' 15" E

Chart used: No. C.S. 4722 Rd'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rigs used

Time towing h. m.

Remarks:

Deck Officer Recorder Emilie 11-1023

SOUNDING WIRE			FMS.	DREDGING CABLE		
M. DOWN.	UP.	M.		M.	UP.	M.
10	00	1	23	30		0
11	20		19	10		100
						200
						300
						400
						500
						600
						700
						800
						900
						1000
						1100
						1200
						1300
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						3800
						3900
						4000
						4100
						4200
						4300
						4400
						4500
						4600
						4700
						4800
						4900

With

Dredge } No. _____ Date, _____, 19____
Hydrog. }

Sdg. Mch. _____ Reel. _____ Shot } lbs.
Turns _____ Cor'n _____ Depth _____ fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr. _____
No. _____ Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { Time _____ Air _____
Time _____

Density: Surf. _____ fms.

Wind: Direction _____ Force _____

Baromet. _____ Amt. of Clouds _____ State of Sea _____

Weather _____

Direction and Force { Surface _____
of Current. _____ Bottom _____

Tide _____

General Locality _____ N. Lat. _____

Position _____ S. Lat. _____ W. Long. _____ E. Long. _____

Chart used: No. _____ Ed'n. _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

xx) No station number is given to this attempt.

Deck Officer _____ Recorder _____

SOUNDING WIRE.

M. DOWN. | UP. | M.

FMS.

DREDGING CABLE.

M. DOWN. | UP. | M.

1	43	1	7	00	0
2	53	2	5	00	100
3	49	3	3	00	200
4	42	4	4	00	300
5	43	5	00	300	400
				500	
				600	
				700	
				800	
				900	
				1000	
				1100	
				1200	
				1300	
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				4900	

OK

Dredge } No. Date, , 19 ..
Hydrog. }
Sdg. Mch. Reel Shot } lbs.
Turns Cor'n Depth fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom
Thermom. { Make TR3 Instr. - .3
No. 1122 Cor'n { Stem. - .3
Bottom Reading 50 fms.: 58. Cor'd Temp. 57.6
Temp. Surf. { Time 2:17 Air 2:
Time 2:17 Air
Density: Surf. 1.02482 T 0 fms. 1.02495
Wind: Direction NNE Force 4
Baromet. 29.54 Amt. of Clouds 2 State of Sea
Weather 6
Direction and Force { Surface
of Current. { Bottom
Tide
General Locality S. San Fran. Bay
Position Lat. 37° 45' N. Long. 122° 45' W.
Position 37° 45' N. 122° 45' W.
Chart used: No. 25723 Ed'n 7
Drift: Direction S 31° W Distance 1.3 mi.
Depth of Haul
Apparatus and Rig used 10' Lining, 250
shades.

Time towing — h. 20 m.

Remarks: Dredged up to 100 fms.
Bottom at 100 fms.
— good bottom to 100 fms.

SOUNDING WIRE.	FMS.	DREDGING CABLE.
0 M. Down. Up. C. M.		C M. Down. Up. C. M.
0	0	215 20
100		215 20
200	2 23 40	2 43 50
300		
400		
500		
600		
700		
800		
900		
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Dredges No. 4 Date, Feb 6, 1908

Hydrog. Sdg. Mch. Reel P.M. Shot Lead lbs.

Turns 5 Cor'n Depth 3 fms.

Sdg. Cup lead with Amt. Bot'm Sampled

Character of Bottom gun M.

Thermom. { Make Cor'n { Instr.
No. Noyce Cor'n Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time } Air
Time

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather:

Direction and Force of Current { Surface
Bottom

Tide

General Locality

Position 45° 15' N. 157° E.

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

<u>SOUNDING WIRE.</u>		FMS.	<u>DREDGING CABLE.</u>	
M. DOWN.	UP.	M.	M.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
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		4900		

Sept. (2).

Dredge } No. 5133 Date, Aug. 6, 1910

Sdg. Mch. T. C. Reel 7.2 Shot Lead 30 lbs.

Turns 38 Cor'n second Depth 38 fms.

Sdg. Cup 7.2 Amt. Bot'm Sample 1.2 fms.

Character of Bottom smooth, soft

Thermom. { Make No. 1 Cor'n { Instr. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 77 Time Time 11.00 { Air

Density: Surf/0.2447 fms.

Wind: Direction N. W. Force 1

Baromet. 29.79 Amt. of Clouds 6 State of Sea

Weather Partly cloudy

Direction and Force of Current { Surface
Bottom

Tide Mean High Water N 52° E. 15 m.

General Locality

Position N 52° 15' E. 171° E.

Chart used: No. 4644 C. & G. Ed'n

Drift: Direction S. W. Distance

Depth of Haul 30 fms.

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer / Recorder / 11-1623

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
10	27	30	10	29	10	
10	27	30	10	28	11	
			38	0	10	
				50	0	
				100	/	
				200		
				300		
				400		
				500		
				600		
				700		
				800		
				900		
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				4200		
				4300		
				4400		
				4500		
				4600		
				4700		
				4800		
				4900		

Dredge } No. _____ Date, _____, 1903
Hydrog }

Sdg. Mch. _____ Reel _____ Shot } 25 lbs.
Turns _____ Cor'n _____ Depth 34 fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr.
No. 120 Stem.

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { Time _____ Air _____
Time _____

Density: Surf. _____ fms.

Wind: Direction _____ Force _____

Baromet. _____ Amt. of Clouds _____ State of Sea _____

Weather _____

Direction and Force of Current { Surface _____
Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. / Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing: _____ h. _____ m.

Remarks:

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	UP.	M.		M. Down.	UP.	M.
3	53	30	0			
3	54	00	100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Ch. 11

Dredge } No. 5132 Date, 19
Hydrog. }
Sdg. Mch. Trawler Reel 170 Shot, 3.5 lbs.
Turns 166 Cor'n = 7 Depth 161 fms.
Sdg. Cup Tideline or level Amt. Bot'm Sample
Character of Bottom 100%
Thermom. { Make Tife } Instr. -3
No. 108023 Cor'n { Stem. -3
Bottom Reading 58° Cor'd Temp. 57.4
Temp. Surf. { 80° Time 2:41 } Air { 80.5°
81° Time 3.12
Density: Surf. 1.02457 fms.
Wind: Direction N. x W. Force 2
Baromet. 29.74 Amt. of Clouds 7 State of Sea 2
Weather fog
Direction and Force of Current { Surface ..
Bottom ..
Tide 11.9 m.

General Locality

Position 6° 11' S 35° E 121° 15' S 121° 15' E
Chart used: No. C.S. 4542 Ed'n ..
Drift: Direction S. 26° W. Distance 1.1
Depth of Haul bottom
Apparatus and Rig used 12' Trawled, wind sag,

Time towing h. m.

Remarks:

Deck Officer

Recorder

11-1023

SOUNDING WIRE

M. Down. | Up. | F.M.

FMS.

DREDGING CABLE.

M. Down. | Up. | F.M.

		0	2	40	30	0	00
	28	30	2	33	00	10	
			66		44	10	
			200		21		00
			266		26		50
					2	50	00
					3	10	50
		400					
		500					
		600					
		700					
		800					
		900					
		1000					
		1100					
		1200					
		1300					
		1400					
		1500					
		1600					
		1700					
		1800					
		1900					
		2000					
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		2300					
		2400					
		2500					
		2600					
		2700					
		2800					
		2900					
		3000					
		3100					
		3200					
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		4000					
		4100					
		4200					
		4300					
		4400					
		4500					
		4600					
		4700					
		4800					
		4900					

OKP

Dredge } No. _____ Date, Sept. 1, 19_____
 Hydrog. } Reel _____ Shot } Lead } lbs.

Turns _____ Cor'n _____ Depth _____ fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr.
No. _____ Stem.

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { 0°W Time 10:24 P.M. } Air { 80 Time 10:00 A.M. }

Density: Surf. 1.021 fms.

Wind: Direction _____ Force _____

Baromet. 29.746 Amt. of Clouds 6 State of Sea S

Weather Very

Direction and Force of Current { Surface
Bottom

Tide 1.561°S 1.3 mi.

General Locality Blue sea

Position 08°S 120°E

Chart used: No. _____ Ed'n _____

Drift: Direction 71.27°W Distance 6

Depth of Haul 0 fathoms

Apparatus and Rig used 12' Degas

Time towing _____ h. m.

Remarks:

Deck Officer:

Recorder:

SOUNDING WIRE.	FMS.	DREDGING CABLE.
M. Down.	UP.	M.
9	2820	22
2820	22	0
		100
		200
		300
		400
		500
		600
		700
		800
		900
		1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400
		2500
		2600
		2700
		2800
		2900
		3000
		3100
		3200
		3300
		3400
		3500
		3600
		3700
		3800
		3900
		4000
		4100
		4200
		4300
		4400
		4500
		4600
		4700
		4800
		4900

Okapi

Dredge & Hydrog. No. 775 Date, Aug 19, 1908
Sdg. Mch. T 75 Reel 775 Shot Lead 25 lbs.
Turns 20 Cor'n None Depth 20 fms.
Sdg. Cup Diving Amt. Bot'm Sample —
Character of Bottom Cr. S. Cor'n Stem —
Thermom. { Make None Instr. —
No. } None Cor'n { Stem. —
Bottom Reading — Cor'd Temp. —
Temp. Surf. { 80° Time 1:10 p.m. Air } 83°
80° Time 1:20 p.m. Air 83°
Density: Surf 1.02457 fms.
Wind: Direction N. Force 0-1.
Baromet. 29.69 Amt. of Clouds 9 State of Sea C.
Weather Fair

Direction and Force of Current. { Surface
Bottom

Tide Full SLOW, 3.6 mi.

General Locality South Sea.
6° 56' 00" S, 121° 02' 30" E Position of Station

Position S. Lat. 6° 56' S. Long. 121° 02' 30" E

Chart used: No. G.S. 4542 Ed'n 1

Drift: Direction S. E. Distance 0.2 mi.

Depth of Haul Bottom

Apparatus and Rig used 12' Dredge (C. T.), 5 lbs.
shot, 2 rings wire, 16' wire, dredge, sandbar.

Time towing — h. 04 m.

Remarks:

Deck Officer W. V. Scott Recorder G. J. [unclear]
11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
\varnothing	M. DOWN.	UP.	\varnothing	M.	UP.	\varnothing
1	01	10.1	102.15	0	1	09.10
1	01	30.1	02100	20	100	11.50
					200	17.20
					300	
					400	
					500	
					600	
					700	
					800	
					900	
					1000	
					1100	
					1200	
					1300	
					1400	
					1500	
					1600	
					1700	
					1800	
					1900	
					2000	
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					2300	
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					2500	
					2600	
					2700	
					2800	
					2900	
					3000	
					3100	
					3200	
					3300	
					3400	
					3500	
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					4000	
					4100	
					4200	
					4300	
					4400	
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					4700	
					4800	
					4900	

24

Dredge No. 5147 Date 12/24/08
 Hydrog. 1908

Sdg. Mch. Reel Shot Lead lbs.

Turns 29 Cor'n Depth 29 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. Make 2 Cor'n Instr.
 No. Stem.

Bottom Reading 29 Cor'd Temp.

Temp. Surf. Time Air
 75° Time 29.05 83°
 75°

Density: Surf. 1.02461 fms.

Wind: Direction S X E Force 1

Baromet. 29.76 Amt. of Clouds 9 State of Sea X

Weather

Direction and Force of Current Surface
 Bottom

Tide J. 18. St. 5172 5.5 m.

General Locality Sulu Sea

6° 9' 00" N. 120° 58' 00" E

Position (A) 6° 58' 00" N. 120° 58' 00" E

Chart used: No. 4542 Ed'n.

Drift: Direction N 17° E Distance 15

Depth of Haul

Apparatus and Rig used 12' Agassiz N.R.,

1 wind bag, 1 chain

Time towing h. 12' m.

Remarks:

Deck Officer T. C. T. L. R. Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
AM. DOWN.	UP.	AM.		AM. DOWN.	UP.	AM.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
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			2900			
			3000			
			3100			
			3200			
			3300			
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			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
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			4700			
			4800			
			4900			

Dredge No. 418 Date 15, 1928

Sdg. Mch. Reel Shot Leads lbs.

Turns Cor'n Depth 19 fms.

Sdg. Cup 20' off Amt. Bot'm Sample Towed

Character of Bottom

Thermom. Make Instr. Cor'n Stem

Bottom Reading Cor'd Temp.

Temp. Surf. 80° Time 11.05 Air 89°
80° Time 11.15 Air 87°

Density: Surf/0° 1.02 fms.

Wind: Direction variable Force 0-1

Baromet. 30.03 Amt. of Clouds 9 State of Sea 2

Weather

Direction and Force of Current Surface
Bottom

Tide 9 ft. 25. S 50° W 3.3 mi.

General Locality 1000 ft. 264°

Position 41° 30' N. 151° 20' E

Chart used: No. 4542 Ed'n

Drift: Direction Distance

Depth of Haul 10 m.

Apparatus and Rig used 16.8

Time towing h. m.

Remarks: 1. 2. 3. 4. 5.

Deck Officer Recorder 11-102

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
2	M. DOWN.	UP.	2	M.	2	M. DOWN.	UP.	2 M.
11	04	15	11	03	10	11	0	11 00
11	04	30	11	04	40	12	ton	11 08 40
						200		
						300		
						400		
						500		
						600		
						700		
						800		
						900		
						1000		
						1100		
						1200		
						1300		
						1400		
						1500		
						1600		
						1700		
						1800		
						1900		
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						2100		
						2200		
						2300		
						2400		
						2500		
						2600		
						2700		
						2800		
						2900		
						3000		
						3100		
						3200		
						3300		
						3400		
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						3700		
						3800		
						3900		
						4000		
						4100		
						4200		
						4300		
						4400		
						4500		
						4600		
						4700		
						4800		
						4900		

OK 10

Dredge No. 5 Date, 19

Sdg. Mch. 1 N. Reel 7 N. Shot} 25 lbs.

Turns 2 Cor'n Depth 1 fms.

Sdg. Cup Fathometer Lead Amt. Bot'm Sample 16 oz.

Character of Bottom 100% silt

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 77 Time / { Air } 75
/ / Time / / / /

Density: Surf. 1.02426 fms.

Wind: Direction Various Force 0-1

Baromet. 30.02 Amt. of Clouds 9 State of Sea

Weather overcast

Direction and Force { Surface
of Current. Bottom

Tide Jolo St 312°30' E 0.85 m.

General Locality

Position

Chart used: No. 684542 Ed'n

Drift: Direction South Distance 16

Depth of Haul bottom

Apparatus and Rig used 12' min. R.R.

Time towing h. 12 m.

Remarks:

Deck Officer Officer Haged Recorder T1

SOUNDING WIRE.				FMS.	DREDGING CABLE.		
P.	M. DOWN.	UP.	P.	M.	M. DOWN.	UP.	M.
	37	10	1	3.8	10		2
	37	25	1	27	3		5
				0			
				100			
				200			
				300			
				400			
				500			
				600			
				700			
				800			
				900			
				1000			
				1100			
				1200			
				1300			
				1400			
				1500			
				1600			
				1700			
				1800			
				1900			
				2000			
				2100			
				2200			
				2300			
				2400			
				2500			
				2600			
				2700			
				2800			
				2900			
				3000			
				3100			
				3200			
				3300			
				3400			
				3500			
				3600			
				3700			
				3800			
				3900			
				4000			
				4100			
				4200			
				4300			
				4400			
				4500			
				4600			
				4700			
				4800			
				4900			

Dredge No. 5147 Date, 10 Aug., 1925
Diphterous T. ST Reel T. 100' Shot Leads 10 lbs.
Sdg. Mch. T. ST Reel T. 100' Shot Leads 10 lbs.
Turns 21 Cor'n — Depth 21 fms.
Sdg. Cup — Amt. Bot'm Sample —
Character of Bottom co. S. & Sh. ST

Thermom. { Make Cor'n { Instr.
No. } Stem. —

Bottom Reading — Cor'd Temp. —
Temp. Surf. { 80° Time 11:25 a.m. } Air { 85°
82° Time 11:44 a.m. } 94°

Density: Surf. 1.02447 fms.

Wind: Direction NNE Force 0-1

Baromet. 29.75 Amt. of Clouds 8 State of Sea C

Weather

Direction and Force of Current { Surface —
Bottom —

Tide Dulake 2-1 (E), N 3° E 8.5 mi.

General Locality Sulu Sea.

Position 5° 45' N, 120° 47' 10" E. —

Position 5° 45' N, 120° 47' 10" E. —

Chart used: No. C.S. 4542 Ed'n ?

Drift: Direction S. 1/2° E. Distance 0.4 mi.

Depth of Haul 20 fms.

Apparatus and Rig used 15 ft. T. N.

15 ft. T. N. 20 min. weight 1 lb.

10 lb. boy.

Time towing — h. 20 m.

Remarks: 2) Direction of wind N.E., N.W.
at 11:27 a.m.

Deck Officer W.C. JONES Recorder J. V. COOPER
11-1023

SOUNDING WIRE.		FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.	M.	UP.	M.
"	"	0	"	48	"
11	10	100	11	27	15
19	10	200			
		300			
		400			
		500			
		600			
		700			
		800			
		900			
		1000			
		1100			
		1200			
		1300			
		1400			
		1500			
		1600			
		1700			
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		1900			
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		2100			
		2200			
		2300			
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		2700			
		2800			
		2900			
		3000			
		3100			
		3200			
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		3900			
		4000			
		4100			
		4200			
		4300			
		4400			
		4500			
		4600			
		4700			
		4800			
		4900			

Ok. fl.

Dredge No. / Date, Ja 19
Hauled / Reel ft Shal Leads lbs.
Sdg. Mch. /

Turns Cor'n Depth fms.

Sdg. Cup follow on lead Amt. Bot'm Sample about 30

Character of Bottom

Thermom. { Make iron used Cor'n { Instr. Stem.
No. /

Bottom Reading Cor'd Temp. /

Temp. Surf. { 78° Time 9:30 AM Air { 71°
79 Time 9:55 " Air { 81°

Density: Surf. 1.02509 fms.

Wind: Direction Various Force 1-2

Baromet. 29.75 Amt. of Clouds State of Sea

Weather Clear

Direction and Force of Current { Surface
Bottom

Tide 2.4 m.

General Locality 68° S. 10° W.

Position 68° S. 10° W.

Chart used: No. 68454 Ed'n

Drift: Direction N 10° W Distance 8

Depth of Haul Followed

Apparatus and Rigs used 12' Dredge

Time towing h. m.

Remarks:

Deck Officer Ross Mather Recorder

11-1021

SOUNDING WIRE.

M. Down. | UP. *A.M.*

FMS.

DREDGING CABLE.

M. Down. UP. M.

0

400

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 5151 Date, 18 Feby, 1910
Hydrog. }
Sdg. Mch. 21 T. Reel 35 Shot 35 lbs.

Turns 24 Cor'n — Depth 24 fms.

Sdg. Cup, 10 min. Amt. Bot'm Sample 1 lb.

Character of Bottom cor. S.S.L.

Thermom. { Make Cor'n Instr. —
No. } Int. & Stem. —

Bottom Reading — Cor'd Temp. —

Temp. Surf. { 80° Time 1:04 p.m. Air { 90°
80° Time 1:27 A.M. — 91°

Density: Surf. 1.02489 fms.

Wind: Direction N.W. by N Force 2

Baromet. 29.7 Amt. of Clouds 9 State of Sea

Weather Fair

Direction and Force { Surface
of Current. Bottom

Tide 3.3 m.

General Locality Siboga (Indonesia)

(5° 45' S., 120° 15' E.)

Position 5° 45' S., Siboga 15. N.S. 1000

Chart used: No. CS 4514 Ed'n 2

Drift: Direction N 86° E Distance 0.4 m.

Depth of Haul 15 fms.

Apparatus and Rig used 21 ft. 10 in. 1000 ft.

Cone, 16 in., 5 fms. 1000 ft.

Loradene.

Time towing — h. 12 m.

Remarks:

Deck Officer W.H. Recorder R. B. T.
11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.			
M.	DOWN.	UP.	C. M.	M.	DOWN.	UP.	C. M.
/	02	02	/	02	02	/	02
/	2	2	/	2	2	/	2
				0			
				100			
				200			
				300			
				400			
				500			
				600			
				700			
				800			
				900			
				1000			
				1100			
				1200			
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				2900			
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				3200			
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				3600			
				3700			
				3800			
				3900			
				4000			
				4100			
				4200			
				4300			
				4400			
				4500			
				4600			
				4700			
				4800			
				4900			

Dredge } No. 5152 Date, Dec 19, 1945
Hydrog. }
Sdg. Mch. Trawl Reel 71 Shot 7 lbs.
Turns 49 Cor'n. mine Depth 49 fms.
Sdg. Cup 100 Amt. Bot'm Sample 100
Character of Bottom Cor'ly soil
Thermom. { Make None Cor'n { Instr.
No. Stem
Bottom Reading 74 Cor'd Temp.
Temp. Surf. { 80° Time 9:08 Air { 85°
80° Time 9:20
Density: Surf. 1.02437 fms.
Wind: Direction E.N.E. Force 2-3
Baromet. 29.74 Amt. of Clouds 4 State of Sea S
Weather VG

Direction and Force of Current { Surface
of Current. Bottom

Tide

2.1 mi.

General Locality

Position Lat 40° 15' N Long 120° 02' E S 5° S

Chart used: No. 46514 Ed'n.

Drift: Direction N 27° W Distance 4

Depth of Haul 10 fms.

Apparatus and Rig used

Time towing 1 h. 45 m.

Remarks:

Deck Officer / Recorder / No. 1023
V

SOUNDING WIRE.			FMS.	DREDGING CABLE.			
<u>a</u>	M. DOWN.	UP.	<u>a</u>	M.	UP.	<u>a</u>	M.
8	59	40	9	01	05	9	08
1	12	12	1	12	10	1	12
			0	90	9	08	00
			400		80	20	25
			200		60	10	30
			300		40		
			400		20		
			500				
			600				
			700				
			800				
			900				
			1000				
			1100				
			1200				
			1300				
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			1500				
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			1800				
			1900				
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			2400				
			2500				
			2600				
			2700				
			2800				
			2900				
			3000				
			3100				
			3200				
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			3400				
			3500				
			3600				
			3700				
			3800				
			3900				
			4000				
			4100				
			4200				
			4300				
			4400				
			4500				
			4600				
			4700				
			4800				
			4900				

OKPL

Dredge } No. 5754 Date, Feb 19, 1905
Hydrog. }
Sdg. Mch. Tammie Reel T.N. Shot Lead lbs.
Turns 12 Cor'n Depth 12 fms.
Sdg. Cup Name & Amt. Bot'm Sample fl. & g.
Character of Bottom Co. L.

Thermom. { Make Core used Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time 11.15 } Air { 54°
81° Time 11.24 84°

Density: Surf. 1.02437 fms.

Wind: Direction N.E. W. Force 2

Baromet. 30.00 Amt. of Clouds 4 State of Sea 0

Weather

Direction and Force of Current. { Surface
Bottom

Tide 1.7 m. 11.00

General Locality 1/2 mi. S. of New York Harbor N.J. 19° 45' N. Lat. 74° 20' E. Long.

Position 19° 45' N. Lat. 74° 20' E. Long.

Chart used: No. H.O. 1852 Ed'n

Drift: Direction N.E. Distance 1.7 m.

Depth of Haul 8 fms.

Apparatus and Rig used 9 ft. long

Time towing 1 h. 21 m.

Remarks At 11.00 h. 21 m. 1.7 m.

At 11.00 h. 21 m. 1.7 m.

At 11.00 h. 21 m. 1.7 m.

Deck Officer Recorder

SOUNDING WIRE.	FMS.	DREDGING CABLE.
M. Down.	Up.	M.
0	0	0
100	100	100
200	200	200
300	300	300
400	400	400
500	500	500
600	600	600
700	700	700
800	800	800
900	900	900
1000	1000	1000
1100	1100	1100
1200	1200	1200
1300	1300	1300
1400	1400	1400
1500	1500	1500
1600	1600	1600
1700	1700	1700
1800	1800	1800
1900	1900	1900
2000	2000	2000
2100	2100	2100
2200	2200	2200
2300	2300	2300
2400	2400	2400
2500	2500	2500
2600	2600	2600
2700	2700	2700
2800	2800	2800
2900	2900	2900
3000	3000	3000
3100	3100	3100
3200	3200	3200
3300	3300	3300
3400	3400	3400
3500	3500	3500
3600	3600	3600
3700	3700	3700
3800	3800	3800
3900	3900	3900
4000	4000	4000
4100	4100	4100
4200	4200	4200
4300	4300	4300
4400	4400	4400
4500	4500	4500
4600	4600	4600
4700	4700	4700
4800	4800	4800
4900	4900	4900

✓ Of Pl

Dredge } No. 5157 Date, Oct 21 , 1911
Hydrog. }

Sdg. Mech. 1000 Reel 74 Shot Lead} 10 lbs.

Turns 18 Cor'n Depth 18 fms.

Sdg. Cup Follows lead Amt. Bot'm Sample

Character of Bottom

Thermom. { Make thermometer Instr.
No. 1601 Cor'n Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 79° Time 9:00 } .1° | 79°
Time

Density: Surf. 1.02422 fms.

Wind: Direction N.E Force 1-2

Baromet. 29.8 Amt. of Clouds State of Sea

Weather

Direction and Force { Surface
of Current. Bottom

Tide Tidal height 1.2113 m.

General Locality At sea

Latitude and Long No. 10° 15' N. 119° 25' E

Position 5 15' 6" S - 119° 25' E

Chart used: No. H.O. 1852 Ed'n

Drift: Direction Distance 2

Depth of Haul Bottom

Apparatus and Rig used T. Albatross

Time towing 5 h. 5 m.

Remarks:

Deck Officer Recorder 1000
11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	UP.	M.		M. Down.	UP.	M.
8	59	-	0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
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			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Li Pl

Dredge } No. 2 Date, 19
Hydrog. }
Sdg. Mech. E. C. Reel 74 Shot } 10 lbs.
Turns 10 Cor'n Depth 10 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom Coarse V

Thermom. { Make Brno Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time 0121 AM
Time Air

Density: Surf. 1.02422 fms.

Wind: Direction N.E. Force 1-2

Baromet. 29.71 Amt. of Clouds 7 State of Sea S

Weather Fair

Direction and Force of Current. { Surface
Bottom

Tide

14 mi.

General Locality Gulw sea

Latitude 38° 45' N. Long 120° 15' W. (approximate)

Position 38° 45' N. 120° 15' W.

Chart used: No. 7114 Ed'n

Drift: Direction S 14° E Distance 7

Depth of Haul 10 fathoms

Apparatus and Rig used 9' all

and 19' lead weight down

Time towing h. m.

Remarks: All samples sent to Prof. M. L. M.

Deck Officer D. J. Hill

Recorder S.

11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
10	3	4570	4	05	10	6
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
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			2800			
			2900			
			3000			
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			3200			
			3300			
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			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge No. 516 Date, Oct 22, 1928

Sdg. Mch. Reel Shot Leads 35 lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr. -
No. none Stem.

Bottom Reading Cor'd Temp. fms.

Temp. Surf. { 82° Time 9:06 a.m. } Air { 90°
82° Time 9:10 a.m. } 90°

Density: Surf. fms.

Wind: Direction Calm Force 0

Baromet. 29.64 Amt. of Clouds 6 State of Sea

Weather $^{\circ}\text{C}$

Direction and Force { Surface
of Current. Bottom

Tide 1.8 mi.

General Locality Eniwetok

Pinalan Is (E) $5^{\circ}10'15''\text{N}$ Sisig I (S) $5^{\circ}40'15''\text{N}$

Position $5^{\circ}10'15''\text{N}$ $119^{\circ}53'00''\text{E}$

Chart used: No. 50, 1852 Ed'n. 2

Drift: Direction Distance 150 yds.

Depth of Haul 50 fms.

Apparatus and Rig used Q. 10 ft. T. 10 ft.

Time towing h. 1 m.

Remarks: Dredge fouled on bottom after 1 min. towing.

Deck Officer J. C. L. Recorder F. J. G. 11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M.	UP.	M.
0	0	0	0	0	0	0
100	100	100	100	100	100	100
200						
300						
400						
500						
600						
700						
800						
900						
1000						
1100						
1200						
1300						
1400						
1500						
1600						
1700						
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3600						
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3800						
3900						
4000						
4100						
4200						
4300						
4400						
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4600						
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4800						
4900						

Dredge No. 1 Date, Sept 1, 1914
Hydrog. Reel 7' 7" Shot Lead 2 lbs.
Sdg. Mch. 1 Reel 7' 7" Turn 28 fms.
Sdg. Cup Imt. Bot'm Sample
Character of Bottom Co. S.

Thermom. { Make Z. Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.
Temp. Surf. { 77° Time 9.44 { Air
77° Time 9.48 }

Density: Surf. 1.02447 fms.

Wind: Direction N.W. Force 2
Baromet. 30.01 Amt. of Clouds 11 State of Sea

Weather

Direction and Force { Surface
of Current. Bottom

Tide 6.7 m.

General Locality Laysan Island

Circumloc. Lat. 17° 22' N. Long. 162° 48' W.

Position Lat 40° 57' 10" N. Long 117° 51' 00" E

Chart used: No. 4614 C.S. Ed'n

Drift: Direction N. 63° W. Distance 13 miles

Depth of Haul

Apparatus and Rig used 20' 28' 12'

Ice glass float 250' abt.

Time towing h. 5 1/2 m.

Remarks: 11.00

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
5 40 9	36 30		0	9 41 10	9	
9 36 10 9	36 30	28	100	9 42		
			200	9 43 20		
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
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			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Ok.

Dredge } No. 56 Date, 11/15/19
Hydrog. }
Sdg. Mch. Reel Shot } Lead lbs.
Turns Cor'n Depth Q Chart fms.
Sdg. Cup Amt. Bot'm Sample
Character of Bottom cor. (sand mud)

Thermom. { Make Cor'n { Instr. ✓
No. Cor'n Stem. ✓

Bottom Reading Cor'd Temp.

Temp. Surf. { 76 Time 1:17 P.M. } Air 74
80 Time 1:25 " "

Density: Surf. 1.02490 fms.

Wind: Direction NW Force 1
Baromet. 29.1 Amt. of Clouds State of Sea

Weather Clear

Direction and Force of Current { Surface
Bottom

Tide 6. N 70°W 6.7 mi

General Locality Ile de la

Position 115° 30' S 170° 50' E

Chart used: No. 684514 Ed'n

Drift: Direction S Distance 2

Depth of Haul bottom

Apparatus and Rig used T

Time towing - h. 4 m.

Remarks:

Deck Officer Recorder 11 11-1023

SOUNDING WIRE.

M. DOWN.	UP.	M.
----------	-----	----

DREDGING CABLE.

M. DOWN.	UP.	M.
----------	-----	----

0	/	
100	/	/
200		
300		
400		
500		
600		
700		
800		
900		
1000		
1100		
1200		
1300		
1400		
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3100		
3200		
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3600		
3700		
3800		
3900		
4000		
4100		
4200		
4300		
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4800		
4900		

Dredge No. 5 Date, 19.

Hydrog. Sdg. Mch. Reel Shot Leads lbs.

Turns 112 Cor'n — Depth 12 fms.

Sdg. Cup 82 Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 80° Time 3:47 P.M. } Air { 82°
72° Time 4:15 P.M. } 82°

Density: Surf. 1.02406 fms.

Wind: Direction NNE Force 5

Baromet. 30.00 Amt. of Clouds 8 State of Sea

Weather

Direction and Force of Current { Surface
of Water Bottom

Tide

General Locality

Position 40° 55' N. 120° 20' E.

Chart used: No. C. & G. 5114 Ed'n ?

Drift: Direction SSW Distance 1/4 mi.

Depth of Haul Bottom

Apparatus and Rig used

Time towing — h. 20 m.

Remarks

Deck Officer Mr. Hazard Recorder J. Stratton 11-1023

SOUNDING WIRE			FMS.	DREDGING CABLE		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
5	4	5	0	5	4	5
5	5	5	100	5	5	5
3	3	6	200	3	3	5
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 517
Hydrog. } Date, Sept. 27, 1904.

Sdg. Mch. Reel Shot Lead lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom (exact)

Thermom. { Make Cor'n Instr.
No. Cor'n Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 79° Time 8:35 } Air { 81°
79° Time 8:40 } 81°

Density: Surf. 1.02509 fms.

Wind: Direction N Force 2

Baromet. 29.73 Amt. of Clouds 10 State of Sea

Weather ad.

Direction and Force of Current { Surface
of Current. Bottom

Tide (G.B.Tan!) N 31° E 8:25 m.

General Locality Lake Sea

Latitude (Lat.) N 60° E. Longitude (Long.) 20°

Position 40° 32' 15" N. Long 119° 22' 45" E

Chart used: No. 4722 C.S. Ed'n

Drift: Direction S 11° W. Distance 2 miles

Depth of Haul Bottom

Apparatus and Rig used 9' Ab.

1 man Out, 1 man down

Time towing h. 2 m.

Remarks:

Deck Officer Wm. McArthur Recorder J. G. G. 11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0	8 32 30	8 40 40	
			100	8 32 30	8 40 40	
			200	8 35 35	8 39 30	
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Oct 27

Dredge } No. 47 Date, Oct 27, 1905
Hydrog. }
Sdg. Mch. Dredged Reel down Shot } 30 lbs.
Turns 850 Cor'n Depth 850 fms.
Sdg. Cup ~~for Sycamore~~ Amt. Bot'm Sample 200 gms.
Character of Bottom gravelly

Thermom. { Make None Cor'n { Instr. Stem.
No.

Bottom Reading Cor'd Temp.
Temp. Surf. { 79° Time / } Air { 79°
Time

Density: Surf. fms.

Wind: Direction NW Force 1

Baromet. 30.02 Amt. of Clouds 9 State of Sea S

Weather

Direction and Force of Current { Surface
Bottom

Tide

Spring 21 9.2.1 N 16° E 13.0 m.

General Locality

Off S. W. Key West, Florida 85.0 m.

Position

Chart used: No. 4722 C.S. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer H. H. Taylor Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M.	DOWN.	UP.	M.	M.	UP.	M.
12			0			
			100			
45	05		200			
46	-		300			
			400			
47	30		500			
48	30		600			
49	30		700			
50	30		800			
51	-	12	900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

SOUNDING WIRE.			FMS.	DREDGING CABLE.			
M.	DOWN.	UP.	M.	M.	DOWN.	UP.	M.
3	16	-	24	-	3	27	30
	10	20	27	35		30	50
	75	5	32	35		34	25
3	20	50	3	22	-	37	44
	250	300		400		40	10
	482	500		482	600	463	40
	700			800		60	10
				900		50	10
				1000		40	10
				1100		30	10
				1200		20	10
				1300		10	10
				1400		0	10
				1500			0
				1600			
				1700			
				1800			
				1900			
				2000			
				2100			
				2200			
				2300			
				2400			
				2500			
				2600			
				2700			
				2800			
				2900			
				3000			
				3100			
				3200			
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				3900			
				4000			
				4100			
				4200			
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				4600			
				4700			
				4800			
				4900			

Dredge } No. 514 Date, 1..... , 19

Hydrog. Sdg. Mch. Trawl Reel 9.4 Shallow 3 lbs.

Turns 188 Cor'n Depth 186 fms.

Sdg. Cup 1/2oz. / 100 Amt. Bot'm Sample 3 oz. (100%)

Character of Bottom 16 ft - cor.

Thermom. { Make 10 Cor'n { Instr.
No. Stem.

Bottom Reading 60 Cor'd Temp.

Temp. Surf. { 63 Time 2:15 Air { 77
55 Time 3:15

Density: Surf. 1.02518 fms.

Wind: Direction Variable Force 2-1

Baromet. 30.0 Amt. of Clouds 6 State of Sea 5

Weather

Direction and Force { Surface
of Current. Bottom

Tide Jolo Id. N 82° 6.75 min

General Locality 10 m. from

Morongue (W) N 53° E Julian Id. (W) S 19° W

Position (W) 33° 15' S 120° 45' E

Chart used: No. C.S. 11342 Ed'n

Drift: Direction E Distance 7

Depth of Haul 100 fms.

Apparatus and Rig used 1/2 oz. bottom sample

1/2 oz. / 100% (100%)

Time towing — h. 06 m.

Remarks:

Deck Officer W. D. ... Recorder F. ... 5

11-1023

SOUNDING WIRE		FMS.	DREDGING CABLE	
M. DOWN.	UP.	M.	M. DOWN.	UP.
2 3730	2 4425	0	2 1	12
38 -	4130	100	150 -	15
2 3446	2 3845	200	2 5	2
		300		
		400	2 57	3 30 -
		500		
		600		
		700		
1		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		
		4100		
		4200		
		4300		
		4400		
		4500		
		4600		
		4700		
		4800		
		4900		

Hydrog. No. 11716 Date, 27 Aug., 1918

Sdg. Mch. 1 Reel 71 Shot 3 lbs.

Turns 180 Cor'n Depth 171 fms.

Sdg. Cup Snapper Amt. Bot'm Sample 710 (140)

Character of Bottom sand & s.

Thermom. { Make 21 Cor'n { Instr.
No. 114 Stem.

Bottom Reading 84° Cor'd Temp.

Temp. Surf. { 84° Time 2:28 P.M. } Air
Time

Density: Surf. — fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force { Surface
of Current. Bottom

Tide Full St N 78° E. 7.5 mi

General Locality Sulu Sea

Position 11° 2' S 120° 12' E

Chart used: No. 11542 CS, Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Th. J. G. Recorder J. W. J. 11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M.	DOWN.	UP.	M.	M.	UP.	M.
2	26	2	32 50	0		
	26	30	29 30	100		
2	27	-	2 27 05	171	200	
					300	
					400	
					500	
					600	
					700	
					800	
					900	
					1000	
					1100	
					1200	
					1300	
					1400	
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					1900	
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					2100	
					2200	
					2300	
					2400	
					2500	
					2600	
					2700	
					2800	
					2900	
					3000	
					3100	
					3200	
					3300	
					3400	
					3500	
					3600	
					3700	
					3800	
					3900	
					4000	
					4100	
					4200	
					4300	
					4400	
					4500	
					4600	
					4700	
					4800	
					4900	

Dredge No. 571 Date, Aug 18, 1908.

Sdg. Mch. Reel Shot
Turns Cor'n Depth Lead lbs.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom.

Thermom. { Make 55 Cor'n { Instr. _____
No. 3 Stem. _____

Bottom Reading Cor'd Temp.

Temp. Surf. { 82° Time 7:25 P.M. } Air { 82°
81.5° Time 7:47 A.M. } Air { 81.5°

Density: Surf. (2) fms.

Wind: Direction N Force 3

Baromet. 29.70 Amt. of Clouds 4 State of Sea 5

Weather Fair.

Direction and Force of Current. { Surface
Bottom

Tide 23.25 mi.

General Locality Sulu Seas.

Position 1°21' N. 121°37' E.

Chart used: No. CS 471 Ed'n 2

Drift: Direction N (70° E) Distance 1.3 mi.

Depth of Haul 5 m.

Apparatus and Rig used 10' Tiller. a. S. line

met; 150-pdr. sinker.

Time towing - h. 00 m.

Remarks: Nood from dredge

x) Sinkers remain down after

Deck Officer Mr. C. G. J. Recorder J. W. H. Log No. 11023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0	7	1/2	7 1/2
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
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			1900			
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			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge No. 5 / Date, Feb. 19, 1900

Sdg. Mch. Reel Shot Lead lbs.

Turns Cor'n Depth fms.

Sdg. Cup Lame Amt. Bot'm Sample

Character of Bottom

Thermom. Make Instr. Cor'n Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. $\begin{cases} 79^{\circ} \\ 79^{\circ} \end{cases}$ Time } Air $\begin{cases} 84^{\circ} \\ 80^{\circ} \end{cases}$

Density: Surf. - 2 fms.

Wind: Direction E.N.E. Force 3

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force of Current Surface Bottom

Tide 5.8 m.

General Locality

Lat. N 67° E. Escasoso St. 012

Position 13° 15' S. 100° 15' E.

Chart used: No. 4240 C.S. Ed'n

Drift: Direction E. Distance 9 miles

Depth of Hail

Apparatus and Rig used

250th weight

Time towing h. 20 m.

Remarks:

Deck Officer Recorder P.G. 11-1023

SOUNDING WIRE.

M. DOWN. UP. M.

FMS.

DREDGING CABLE.

P M. DOWN. UP. P M.

		0		30	43	7	54	15
		100		40	40	3	52	40
		200						
		300						
		400						
		500						
		600						
		700						
		800						
		900						
		1000						
		1100						
		1200						
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		2800						
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		3900						
		4000						
		4100						
		4200						
		4300						
		4400						
		4500						
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		4700						
		4800						
		4900						

Dredge } No. 1 Date, 19
 Hydrog. }
 Sdg. Mech. 1000 Reel 900 Shot 50 lbs.
 Turns Cor'n Depth fms.
 Sdg. Cup 60' Cor'n Amt. Bot'm Sample
 Character of Bottom
 Thermom. { Make - .4
 No. 108623 Cor'n Stem - .1
 Bottom Reading 6 Cor'd Temp. 75.7
 Temp. Surf. { 81° Time 10:47 A.M. Air { 81°
 81° Time 11:00 A.M. Air { 81°
 Density: Surf. 2 fms.
 Wind: Direction Force
 Baromet. 29.91 Amt. of Clouds State of Sea
 Weather 600

Direction and Force of Current { Surface
 Bottom

Tide S 56° E 4.5 mi.

General Locality

Cebu, 1 N. 116° E. Lat. 10° 24.6' Long. 123° 45.7'

Position 10° 24' 15" N 123° 45' 35" E

Chart used: No. CS. 4714 Ed'n

Drift: Direction N. 81° W. Distance 1.3 mi.

Depth of Haul

Apparatus and Rig used 12' Agassiz Dredge Towing

Time towing 1 h. 15 m.

Remarks:

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0			
			100	10	47	
			200	10	49	-
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
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			3200			
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			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4000			

Dredge No. 67-61 Date, March 27, 1908

Sd^d, Mech. 7-22 Reel 7-22 Shot
Load^y lbs.

Turns 26 Cor'n ~~26~~ Depth 26 fms.

Sag. Cup $\frac{1}{2}$ *g. per cu. in.* $\frac{1}{2}$ *ml. Bot'm* $\frac{1}{2}$ *Sample*

Character of Bottom

Thermom. { Make 77 Cor'n { Instr. _____
No. _____ " Stem. _____

Bottom Reading _____ *Cor'd Temp.* _____

Temp. Surf. { 80° Time 9 47 } Air { 80° -
 83° Time 10 10 ma

Wind: Direction N.N.E., Force 3-4

Baromet. 30.00 Amt. of Clouds 10 State of Sea

Weather: Sunny

*Direction and Force
of Current.* { *Surface*
 Bottom

Tide

6.6 mi.

General Locality

Position $11^{\circ} 36' 25'' E$; $123^{\circ} 26' - 35' S$

Chart used: No. CS. 4417 Ed'n.

Drift: Direction 346°W Distance 13

Time towing h. 1 m.

Remarks: _____

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
Q. M. DOWN.	UP.	R. M.		Q. M. DOWN.	UP.	R. M.
8	36	8	0	8	47	8
8	37	8	100	8	48	8
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
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			1900			
			2000			
			2100			
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			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5 Date, 22. 1. 1908
Hydrog. }

Sdg. Mch. 2 fms. Reel 6' Shot 35 lbs.

Turns 2 fms. Cor'n Depth 2' fms.

Sdg. Cup Cor'n Amt. Bot'm Sample

Character of Bottom.

Thermom. { Make 165. Cor'n { Instr.
No. 108023 Stem.

Bottom Reading 52.7° Cor'd Temp.

Temp. Surf. { 80° Time 8:28 A.M. } Air { 80°
Time

Density: Surf. fms.

Wind: Direction S.E. Force 2

Baromet. 29.77 Amt. of Clouds 2 State of Sea C

Weather &c

Direction and Force of Current. { Surface
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used 12' ... 55% ...

3 fms., Diving weight, 100 lb., 100 ft.

Time towing h. m.

Remarks: No time used in sounding.

The reason remains which took me out of Commission, time is lost by a wind without end hand.

Deck Officer W.F. Cassidy Recorder 11-1023

SOUNDING WIRE.

M. Down. | Up. M.

FMS.

DREDGING CABLE.

M. Down. Up. M.

8 17 00 8 22 00

8 24 00

18 00 21 00 100

21 00

10 30 20 00 200

31 00

8 19 + 6 20 + 2 300

30 00

400 50 8 36 00

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

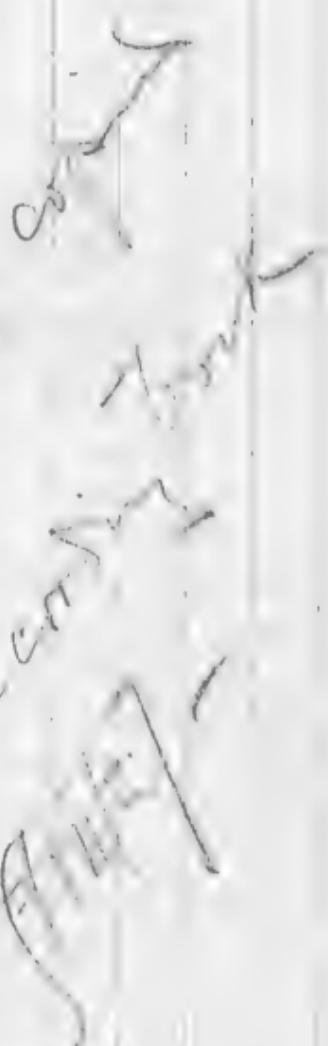
4600

4700

4800

4900

Rock



Dredge } No. Date, , 19
 Hydrog. }
 Sdg. Mch. Reel Shot } Leads lbs.
 Turns Cor'n Depth fms.
 Sdg. Cup Amt. Bot'm Sample
 Character of Bottom
 Thermom. { Make Cor'n { Instr.
 { No. Stem.
 Bottom Reading Cor'd Temp.
 Temp. Surf. { Time } Jir {
 { Time
 Density: Surf. fms.
 Wind: Direction Force
 Baromet. Amt. of Clouds State of Sea
 Weather
 Direction and Force of Current { Surface
 Bottom
 Tide
 General Locality
 Position
 Chart used: No. Ed'n
 Drift: Direction Distance
 Depth of Haul
 Apparatus and Rig used
 Time towing h. m.
 Remarks:
 Deck Officer Recorder
 11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
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			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. Date, , 19.....
Hydrog. }

Sdg. Mch. Reel Shot } lbs.
Lead }

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of
Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Time } Air }

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force { Surface
of Current. Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.		FMS.	DREDGING CABLE.	
M. DOWN.	UP.	M.	M. DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
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		4000		
		4100		
		4200		
		4300		
		4400		
		4500		
		4600		
		4700		
		4800		
		4900		

Dredge } No. _____ Date, _____, 19_____
Hydrog. }

Sdg. Mch. _____ Reel _____ Shot }
Sdg. Cup _____ Amt. Bot'm } Lead _____ lbs.
Character of Sample _____

Bottom _____

Thermom. { Make _____ Cor'n { Instr. _____
 No. _____ Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { Time _____ Air _____
 Time _____

Density: Surf. fms. _____

Wind: Direction Force _____

Baromet. _____ Amt. of Clouds _____ State of Sea _____

Weather _____

Direction and Force { Surface _____
of Current. Bottom _____

Tide _____

General Locality _____

Position

Chart used: No. Ed'n _____

Drift: Direction Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing h. m.

Remarks: _____

Deck Officer Recorder

SOUNDING WIRE		FMS.	DREDGING CABLE	
M. DOWN.	UP.	M.	M. DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
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		1100		
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		3900		
		4000		
		4100		
		4200		
		4300		
		4400		
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		4800		
		4900		

<i>Dredge</i>	<i>No.</i>	<i>Date,</i>		, 19 ..
<i>Hydrog.</i>				
<i>Sdg. Mch.</i>		<i>Reel</i>	<i>Shot</i>	<i>lbs.</i>
<i>Turns</i>			<i>Leads</i>	
<i>Sdg. Cup</i>			<i>fms.</i>	
<i>Character of</i>				
<i>Bottom</i>				
<i>Thermom.</i>	<i>Make</i>		<i>Instr.</i>	
	<i>No.</i>		<i>Cor'n</i>	<i>Stem.</i>
<i>Bottom Reading</i>				
			<i>Cor'd Temp.</i>	
<i>Temp. Surf.</i>		<i>Time</i>		
		<i>Time</i>		<i>Air</i>
<i>Density: Surf.</i>				<i>fms.</i>
<i>Wind: Direction</i>			<i>Force</i>	
<i>Baromet.</i>		<i>Amt. of</i>		<i>State of</i>
		<i>Clouds</i>		<i>Sea</i>
<i>Weather</i>				
<i>Direction and Force</i>	<i>Surface</i>			
<i>of Current.</i>	<i>Bottom</i>			
<i>Tide</i>				
<i>General Locality</i>				
<i>Position</i>				
<i>Chart used: No.</i>		<i>Ed'n</i>		
<i>Drift: Direction</i>			<i>Distance</i>	
<i>Depth of Haul</i>				
<i>Apparatus and Rig used</i>				
			<i>Time towing</i>	<i>h.</i>
				<i>m.</i>
<i>Remarks:</i>				
<i>Deck Officer</i>			<i>Recorder</i>	
				11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M.	DOWN.	UP.	M.	M.	UP.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
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			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. Date, , 19 ..
Hydrog. }
Sdg. Mch. Reel Shot } Lead } lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make
No. Cor'n { Instr.
} Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time } Air {
Time }

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force { Surface
of Current. Bottom }

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.

M. DOWN. | UP. M.

FMS.

DREDGING CABLE.

M. DOWN. | UP. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. _____ Date, _____, 19_____
Hydrog. }

Sdg. Mech. _____ *Reel* _____ *Shot Lead* _____ *lbs.*

Turns *Cor'n* *Depth* *fms.*

Sdg. Cup *Amt. Bot'm Sample*

Character *Battl*

BROWNSTEIN

Thermom. { *Make*
No. } *Cor'n* { *Instr.*
Stem. }

Bottom Reading *Cor'd Temp.*

$$\left. \begin{array}{c} \text{Temp. Surf.} \\ \hline \end{array} \right\} \quad \begin{array}{c} \text{Time} \\ \hline \text{Time} \end{array} \quad \left. \begin{array}{c} \cdot \\ \vdots \\ \text{Air} \end{array} \right\} =$$

Density: Surf. _____ *fms.*

Wind: Direction Force

Buromet. *Amt. of Clouds* *State of Sea*

Weather

*Direction and Force
of Current.* { Surface
Bottom

Drift: Direction *Distance*

Depth of Haul

Apparatus and Pig used

Time towing h. m.

Remarks:

Deck Officer _____ *Recorder* _____

SOUNDING WIRE.	FMS.	DREDGING CABLE.
M. Down.	UP.	M.
	0	
	100	
	200	
	300	
	400	
	500	
	600	
	700	
	800	
	900	
	1000	
	1100	
	1200	
	1300	
	1400	
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	2200	
	2300	
	2400	
	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	
	4100	
	4200	
	4300	
	4400	
	4500	
	4600	
	4700	
	4800	
	4900	

Dredge No. ----- Date, -----, 19.

Sdg. Mch. Reel Shot Lead lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make ----- Cor'n { Instr. -----
No. Stem.

Bottom Reading Cor'd. Temp.

Temp. Surf. { Time { Air
Surf. Time

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force { Surface
of Current. Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
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			2400			
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			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
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			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredg^{ge} & Hydrog.^g } No. _____ Date, _____ , 19
 Sdg. Mch. _____ Reel _____ Shot } Lead } lbs.
 Turns _____ Cor'n _____ Depth _____ fms.
 Sdg. Cup _____ Amt. Bot'm Sample _____
 Character of Bottom _____
 Thermom. { Make _____ Cor'n { Instr.
 No. _____ Stem.
 Bottom Reading _____ Cor'd Temp.
 Temp. Surf. { Time _____ } Air _____
 Time _____
 Density: Surf. _____ fms.
 Wind: Direction _____ Force _____
 Baromet. _____ Amt. of Clouds _____ State of Sea _____
 Weather _____
 Direction and Force { Surface _____
 of Current. Bottom _____
 Tide _____
 General Locality _____
 Position _____
 Chart used: No. _____ Ed'n _____
 Drift: Direction _____ Distance _____
 Depth of Haul _____
 Apparatus and Rig used _____
 Time towing _____ h. _____ m.
 Remarks:
 Deck Officer _____ Recorder _____
 11-1023

SOUNDING WIRE.		FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.	M.	DOWN.	UP.
		0			
		100			
		200			
		300			
		400			
		500			
		600			
		700			
		800			
		900			
		1000			
		1100			
		1200			
		1300			
		1400			
		1500			
		1600			
		1700			
		1800			
		1900			
		2000			
		2100			
		2200			
		2300			
		2400			
		2500			
		2600			
		2700			
		2800			
		2900			
		3000			
		3100			
		3200			
		3300			
		3400			
		3500			
		3600			
		3700			
		3800			
		3900			
		4000			
		4100			
		4200			
		4300			
		4400			
		4500			
		4600			
		4700			
		4800			
		4900			

Dredge } No. Date, , 19
 Hydrog. }
 Sdg. Mch. Reel Shot } Lead } lbs.
 Turns Cor'n Depth fms.
 Sdg. Cup Amt. Bot'm Sample
 Character of Bottom
 Thermom. { Make Cor'n { Instr.
 No. Stem
 Bottom Reading Cor'd Temp.
 Temp. Surf. { Time Time { Air }
 Baromet. Amt. of Clouds State of Sea
 Weather
 Direction and Force { Surface
 of Current. Bottom
 Tide
 General Locality
 Position
 Chart used: No. Ed'n
 Drift: Direction Distance
 Depth of Haul
 Apparatus and Rig used
 Time towing h. m.
 Remarks:
 Deck Officer Recorder
 11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M.	DOWN.	UP.	M.	M.	UP.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. Date, , 19
Hydrog. }

Sdg. Mch. Reel Shot } lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air {
Time

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force { Surface
of Current. Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

9th

20

11-19-10 / 20.00
19-20 / 19.30

$$\begin{array}{r} \cancel{11'10} \\ \hline 82 \\ 378 \\ \hline \cancel{360} \\ \hline 11'2 \\ \hline 8\cancel{56} \\ \hline 9 \end{array}$$

✓